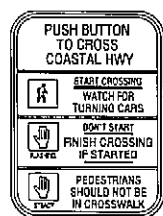


MD 528 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS  
TO BE REMOVED



85TH Street

VARIES X16"  
(2 EA.)

9"X12"  
(4 EA.)

PROPOSED SIGNS

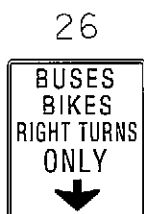
21a, 21b, 22a, 22b

Coastal HWY  
D-3(1) (DUAL FACED)  
72"X16"

23a, 23b, 24a, 24b

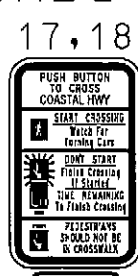
85TH Street  
D-3(1) (DUAL FACED)  
72"X16"

EXISTING SIGNS  
TO BE RELOCATED



30"X42"

PROPOSED ACCESSIBLE  
PUSHBUTTON AND SIGN



COASTAL HWY

R10-3(1)

9" X 15"

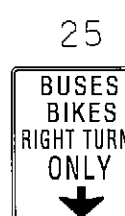


COASTAL HWY

R10-3(1)

9" X 15"

EXISTING SIGNS  
TO REMAIN



30"X42"

PROPOSED  
LED SIGNALS

7, 10



12"

EXISTING LED SIGNALS  
TO BE RELOCATED

4



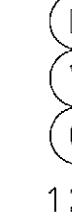
12"/8"

2



12"

3, 8, 9



12"

13, 14, 16



16"

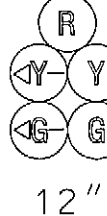
EXISTING LED SIGNALS  
TO REMAIN

1



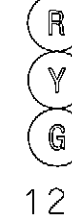
12"/8"

5



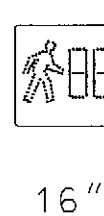
12"

6, 11, 12



12"

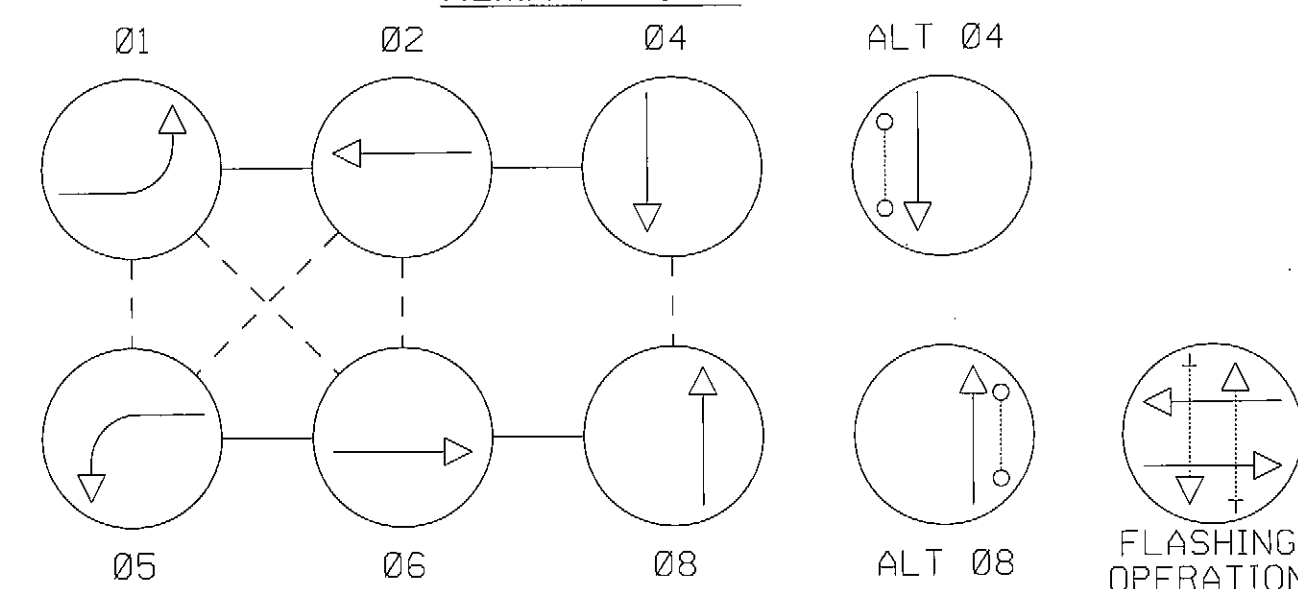
15



16"

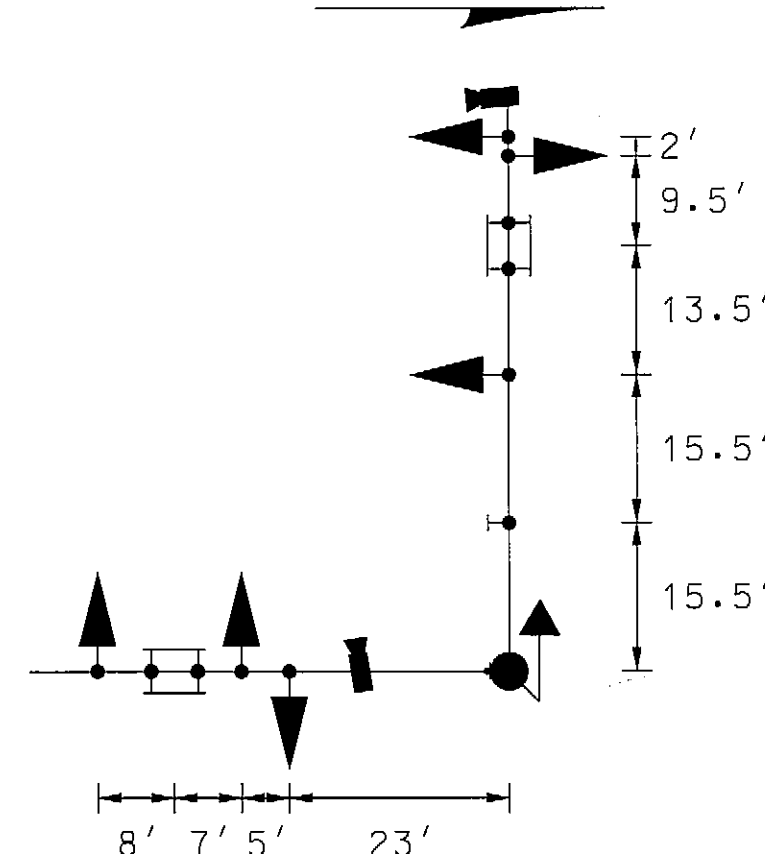
NOTE:  
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

NEMA PHASING



PROPOSED IP-BASED  
VIDEO DETECTION

TO DELAWARE STATE LINE



SIGNAL HEAD  
DIMENSIONS

NORTHEAST CORNER

U. USE EXISTING CONDUIT.

V. REMOVE EXISTING PAVEMENT MARKING LINE.

W. INSTALL 12 INCH WHITE HEAT APPLIED  
PERMANENT PREFORMED THERMOPLASTIC  
PAVEMENT MARKINGS.

X. INSTALL 24 INCH WHITE HEAT APPLIED  
PERMANENT PREFORMED THERMOPLASTIC  
PAVEMENT MARKINGS.

Y. EXISTING OVERHEAD UTILITY LINE TO BE  
RAISED BY UTILITY COMPANY.

Z. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE  
WITH RELOCATED LED COUNTDOWN PEDESTRIAN  
SIGNAL HEAD, APS PUSHBUTTON AND SIGN  
(ORIENT PARALLEL TO CROSSWALK). NOTE:  
INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE.  
REFER TO STANDARD MD 801.01-01 FOR  
FOUNDATION DETAILS.

AA. RELOCATED FIRE HYDRANT BY TOWN OF OCEAN  
CITY FORCES. CONTACT BILL BRATTEN AT  
OCEAN CITY DPW 410-524-4733 TO COORDINATE  
RELOCATION.

BB. SELECTIVE TREE FELLING.

SIGNAL HEAD  
DIMENSIONS  
SOUTHWEST CORNER

CONSTRUCTION DETAILS

- A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH RELOCATED LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK.
- B. INSTALL NEMA SIZE 6 TRAFFIC SIGNAL CABINET AND CONTROLLER WITH IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT AND APS CENTRAL CONTROL UNIT. NOTE: INSTALL 2-2 IN. & 2-4 IN. CONDUIT BENDS IN CABINET BASE. CABINET FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK.
- C. INSTALL 18 FT. SPECIAL 'T' MAST ARM POLE WITH TWIN 60 FT./50 FT. MAST ARMS, LED SIGNAL HEADS, RELOCATED LED SIGNAL HEADS, IP-BASED VIDEO DETECTION CAMERAS, SIGNS, RELOCATED SIGN, ELECTRICAL SERVICE EQUIPMENT AND WEATHERHEAD. NOTE: INSTALL 1-3 IN. & 1-2 IN. CONDUIT BENDS IN POLE BASE. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK.
- D. INSTALL 3 INCH RIGID PVC CONDUIT RISER AND 3 INCH WEATHERHEAD ON EXISTING UTILITY POLE FOR INTERCONNECT CABLE. OVERHEAD INTERCONNECT CABLE COMING FROM THE SOUTH SHALL BE DISCONNECTED, PULLED BACK AND REROUTED DOWN THE UTILITY POLE AND TO THE PROPOSED SIGNAL CABINET. THE OVERHEAD INTERCONNECT CABLE SHALL BE REPLACED TO THE TRAFFIC SIGNAL AT PACIFIC AVE TO THE NORTH (1400 FT.).
- E. RELOCATE EXISTING OVERHEAD ELECTRICAL UTILITY SERVICE FEED BY UTILITY COMPANY FROM POLE #6731.
- F. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED. STUB CONDUIT AT UTILITY POLE.
- G. USE EXISTING MAST ARM POLE. REMOVE EXISTING STREET NAME SIGN FOR 85TH STREET, PUSHBUTTON AND SIGN. INSTALL LED SIGNAL HEAD, IP-BASED VIDEO DETECTION CAMERAS, SIGNS AND APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK).
- H. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED.
- I. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- J. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- K. INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- L. INSTALL ELECTRICAL HANDHOLE.

AERIAL CABLE DETAIL	
PRIMARY	34' 0"
SECONDARY	27' 0"
INTERCONNECT	23' 6"
TELEPHONE	20' 4"
	17' 0"
	GRADE

D. REMOVE EXISTING MAST ARM POLE. REMOVE EXISTING FOUNDATION BELOW GRADE AND MAKE FLUSH WITH SIDEWALK. CAP & ABANDON EXISTING CONDUIT. RELOCATE COUNTDOWN PEDESTRIAN SIGNAL HEAD AND LED SIGNAL HEADS.

P. REMOVE EXISTING HANDHOLE. CAP & ABANDON EXISTING CONDUIT.

Q. PROPOSED VIDEO DETECTION ZONE 1 FT. BEHIND STOP LINE.

R. INSTALL LANDSCAPING TO BE DETERMINED BY PROPERTY OWNER IN NORTHEAST CORNER. REMOVE EXISTING CONCRETE BIROFEEDER THAT WILL BE IMPACTED BY MAST ARM POLE CONSTRUCTION.

S. INSTALL WOODEN FENCE. TIE INTO EXISTING FENCE.

T. REMOVE EXISTING HANDHOLE. INSTALL ELECTRICAL HANDHOLE IN EXISTING HANDHOLE LOCATION. ACCESS SHALL BE MAINTAINED TO EXISTING CONDUIT FEEDING MAST ARM POLE.

M. REMOVE EXISTING PEDESTAL POLE AND ASSOCIATE EQUIPMENT. REMOVE EXISTING FOUNDATION BELOW GRADE AND MAKE FLUSH WITH SIDEWALK. CAP & ABANDON EXISTING CONDUIT. RELOCATE COUNTDOWN PEDESTRIAN SIGNAL HEAD.

N. REMOVE EXISTING CABINET AND ASSOCIATED EQUIPMENT. REMOVE EXISTING FOUNDATION BELOW GRADE AND MAKE FLUSH WITH SIDEWALK. CAP & ABANDON EXISTING CONDUIT.

RKK

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Engineers Construction Managers Planners Scientists  
www.rkk.com

APPROVALS	
TEAM LEADER	
ASST. DIR. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
(F) UPGRADE TO APS AND COUNTDOWN PEDESTRIAN SIGNALS XX4435185	09-10-10
B.J.G. INSTALL RESTRICTED RIGHT LANE SIGNS AT 9095185	7-14-08
SWA REPLACE TRAFFIC SIGNAL FOUNDATIONS	I-99
DBD MAR DB BK	

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 528 (COASTAL HWY.) AT 85TH ST.  
OCEAN CITY, MARYLAND

TRAFFIC SIGNAL PLAN			
SCALE	1"=20'	DATE	12-29-86
CONTRACT NO.	AW517A5L	DESIGNED BY	K. L. BROWN
COUNTY	WORCESTER	DRAWN BY	R. ZACHERL
LOGMILE	23052803.39	CHECKED BY	DENNIS DODA
TIMS NO.	K548	FAP NO.	
TOD NO.		TS NO.	225TF
DRAWING	SG-I	OF	4
SHEET NO.	I	OF	8

PLOTTED: Friday, September 10, 2010 AT 04:12 PM  
FILE: \\Rkk\\v2007\\2007\\07056\_garwood\\Task06\_Md 528 ADA\\CADD\\85TH Street\\pSG-P000\_85th.dgn